

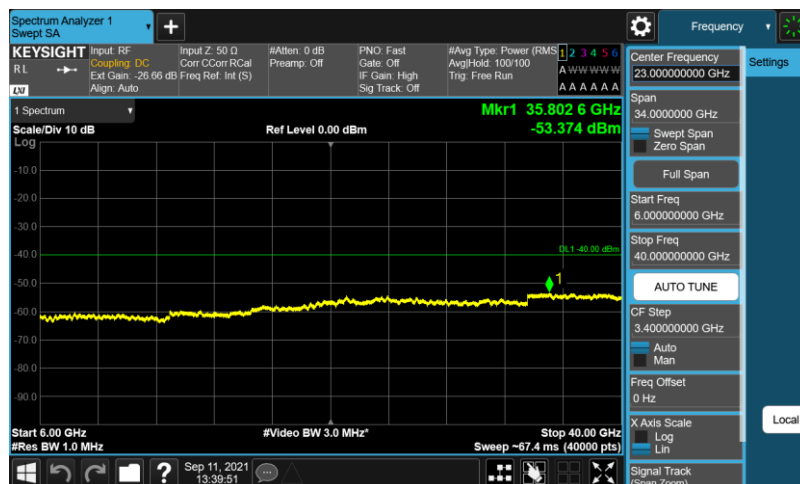
Band48-10MHz-256QAM-55990-E-TM3.1A-30-3530



Band48-10MHz-256QAM-55990-E-TM3.1A-3720-6000



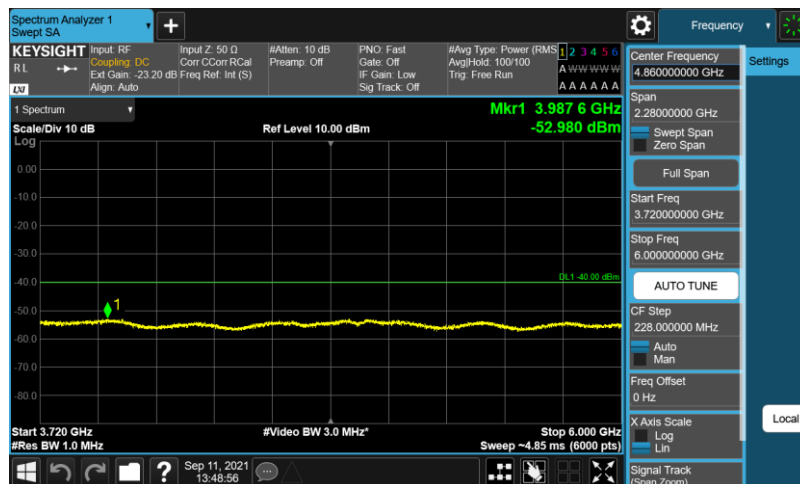
Band48-10MHz-256QAM-55990-E-TM3.1A-6000-40000



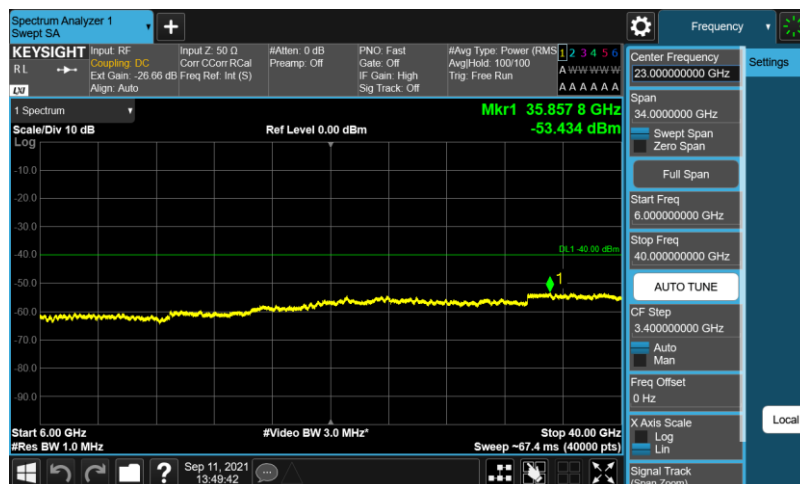
Band48-10MHz-256QAM-56690-E-TM3.1A-30-3530



Band48-10MHz-256QAM-56690-E-TM3.1A-3720-6000



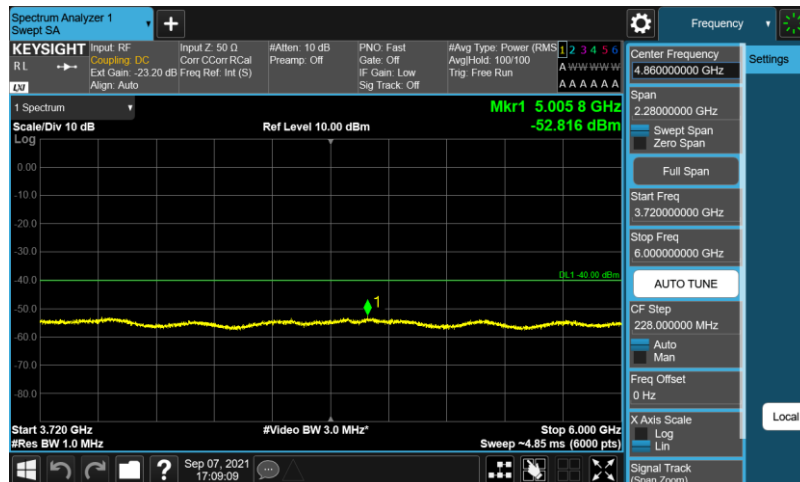
Band48-10MHz-256QAM-56690-E-TM3.1A-6000-40000



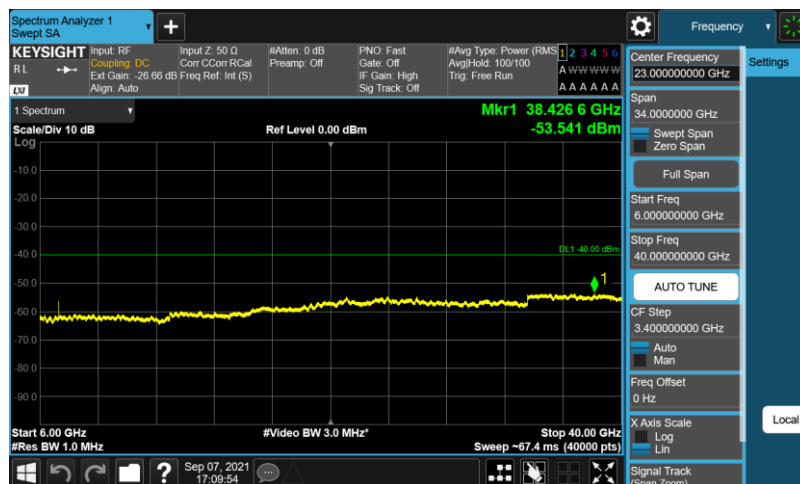
Band48-10MHz-QPSK-55290-E-TM1.1-30-3530



Band48-10MHz-QPSK-55290-E-TM1.1-3720-6000



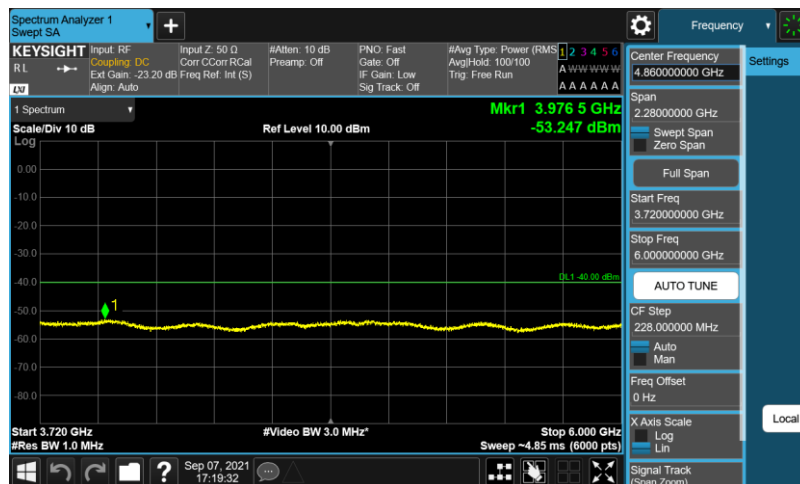
Band48-10MHz-QPSK-55290-E-TM1.1-6000-40000



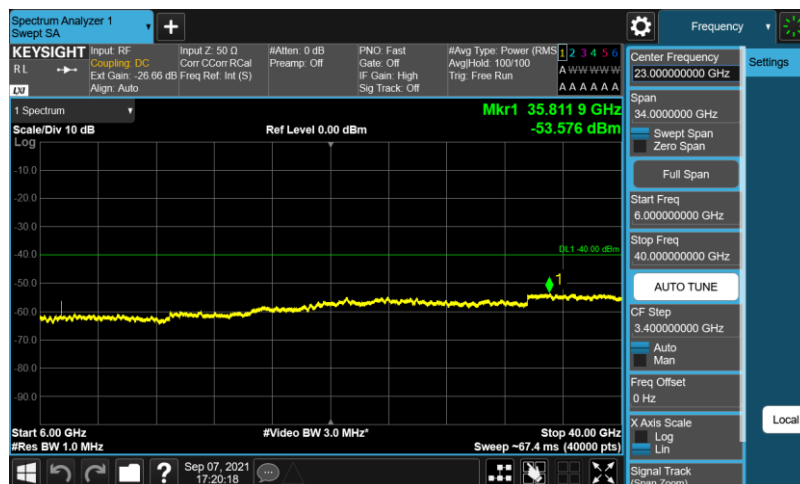
Band48-10MHz-QPSK-55990-E-TM1.1-30-3530



Band48-10MHz-QPSK-55990-E-TM1.1-3720-6000



Band48-10MHz-QPSK-55990-E-TM1.1-6000-40000



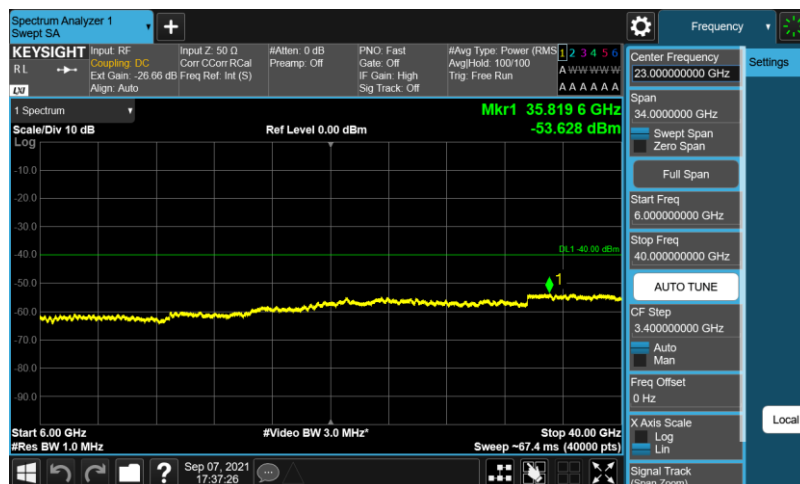
Band48-10MHz-QPSK-56690-E-TM1.1-30-3530



Band48-10MHz-QPSK-56690-E-TM1.1-3720-6000



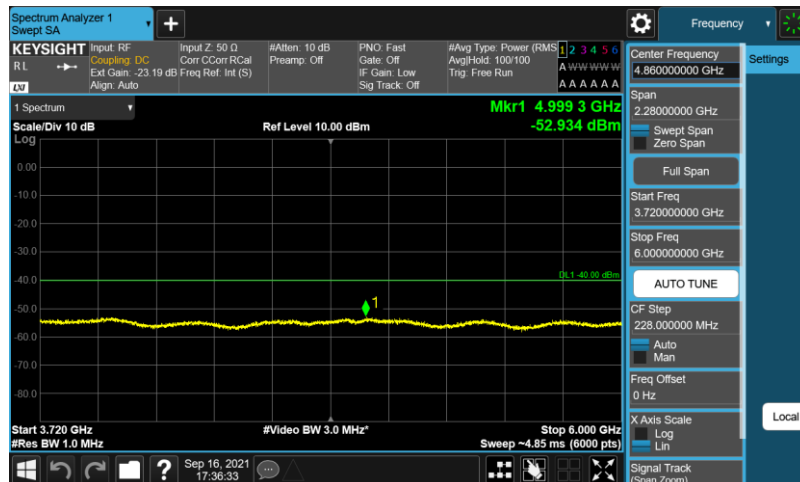
Band48-10MHz-QPSK-56690-E-TM1.1-6000-40000



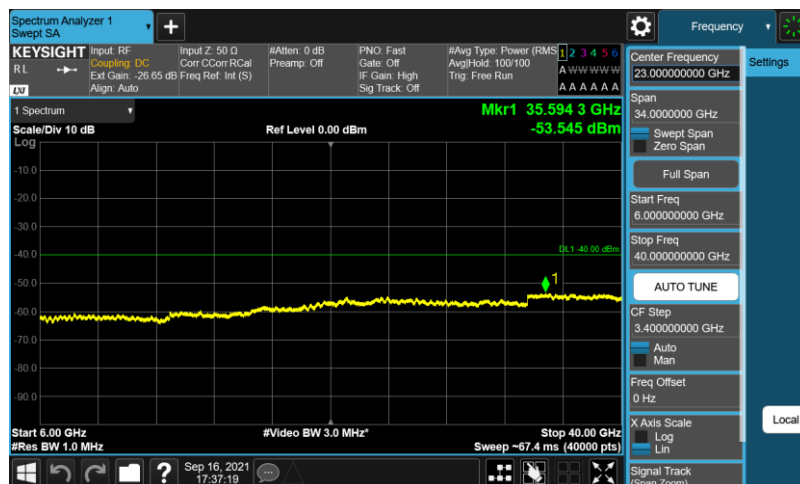
Band48-20MHz-256QAM-55340-E-TM3.1A-30-3530



Band48-20MHz-256QAM-55340-E-TM3.1A-3720-6000



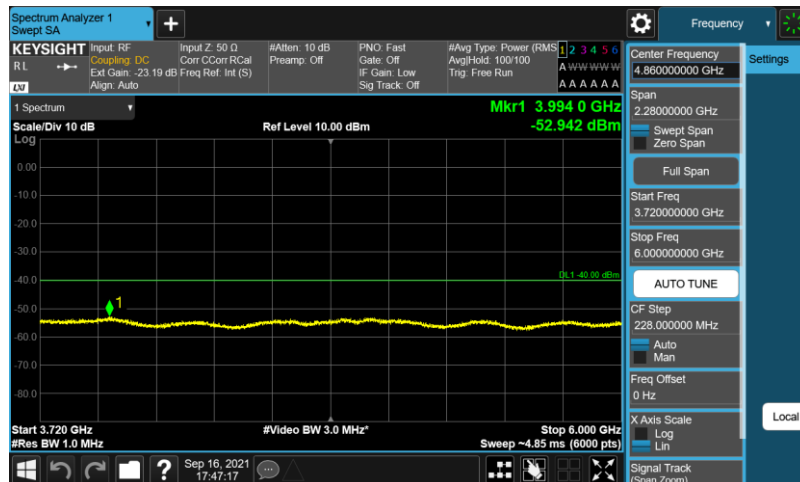
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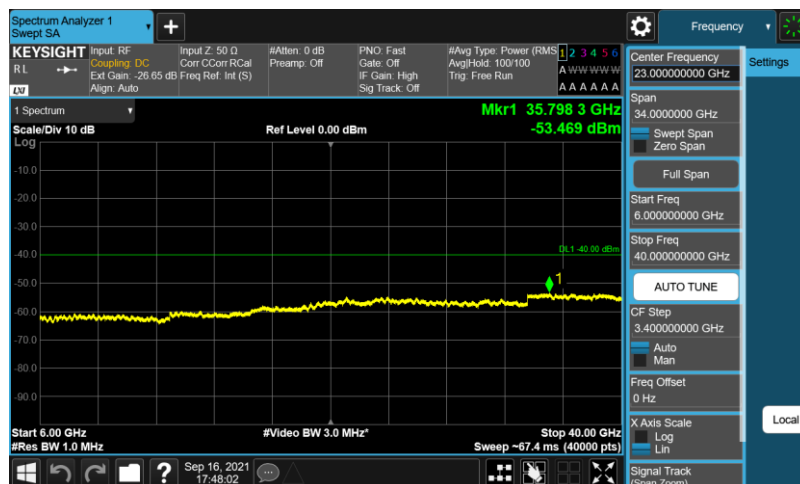
Band48-20MHz-256QAM-55990-E-TM3.1A-30-3530



Band48-20MHz-256QAM-55990-E-TM3.1A-3720-6000



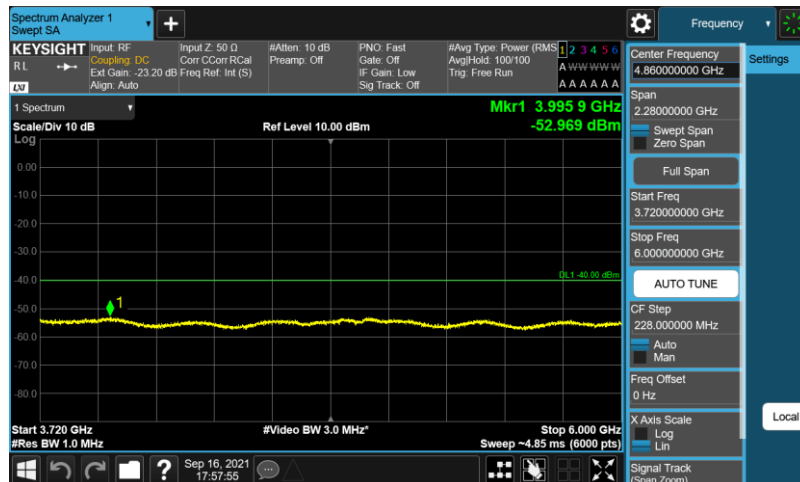
Band48-20MHz-256QAM-55990-TM3.1A-6000-40000



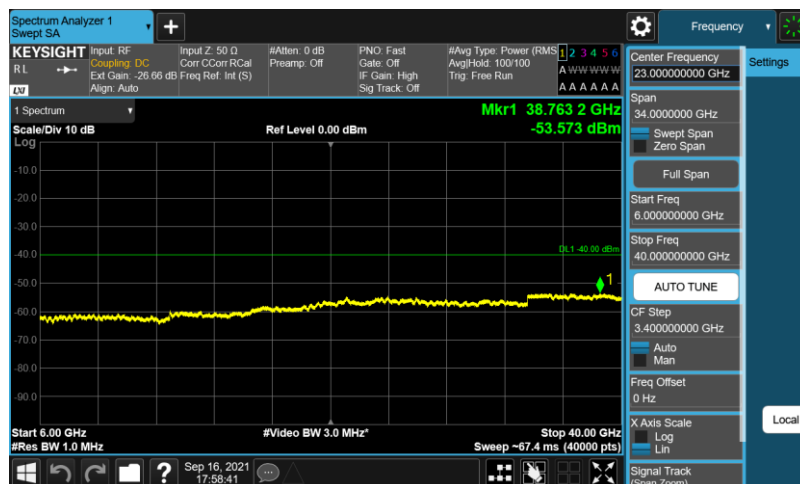
Band48-20MHz-256QAM-56640-E-TM3.1A-30-3530



Band48-20MHz-256QAM-56640-E-TM3.1A-3720-6000



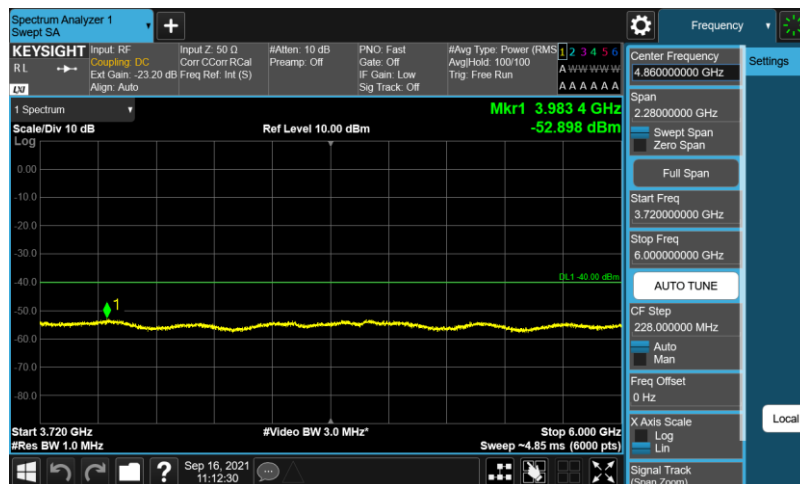
Band48-20MHz-256QAM-56640-E-TM3.1A-6000-40000



Band48-20MHz-QPSK-55340-E-TM1.1-30-3530



Band48-20MHz-QPSK-55340-E-TM1.1-3720-6000



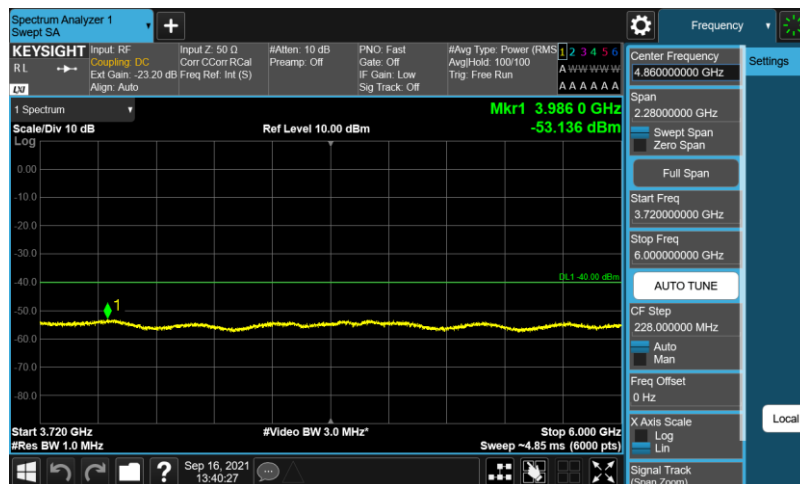
Band48-20MHz-QPSK-55340-E-TM1.1-6000-40000



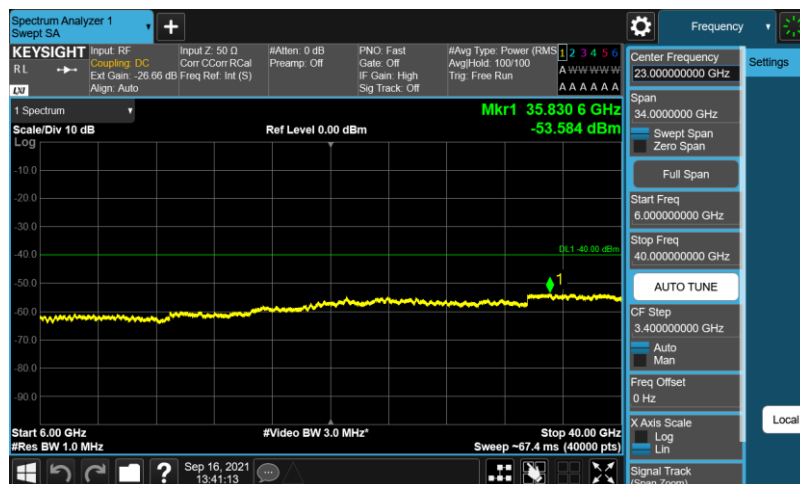
Band48-20MHz-QPSK-55990-E-TM1.1-30-3530



Band48-20MHz-QPSK-55990-E-TM1.1-3720-6000



Band48-20MHz-QPSK-55990-E-TM1.1-6000-40000



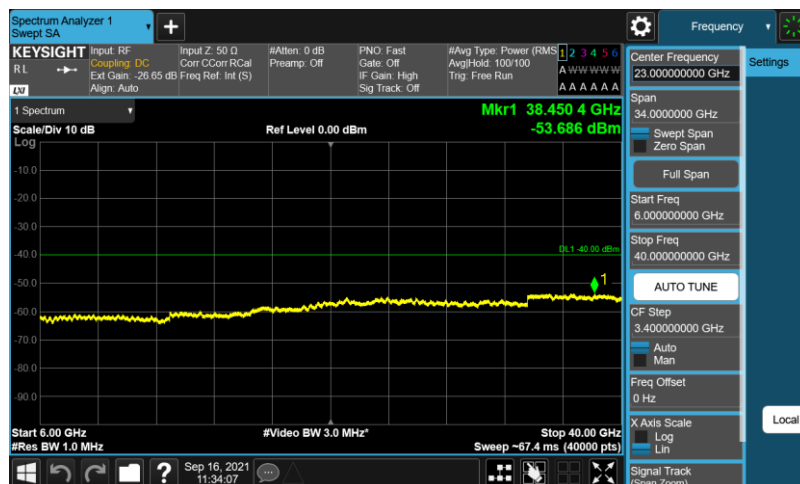
Band48-20MHz-QPSK-56640-E-TM1.1-30-3530



Band48-20MHz-QPSK-56640-E-TM1.1-3720-6000



Band48-20MHz-QPSK-56640-E-TM1.1-6000-40000



Antenna 2:

Appendix A: Effective (Isotropic) Radiated Power Output Data

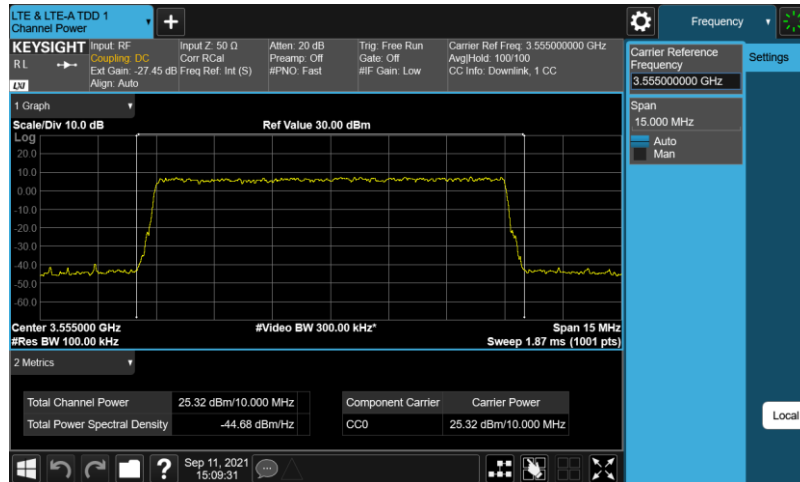
Test Result

Band	Bandwidth	Modulation	Channel	Mode	Power (dBm/10MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	25.32
Band48	10MHz	256QAM	55990	E-TM3.1A	25.13
Band48	10MHz	256QAM	56690	E-TM3.1A	25.04
Band48	10MHz	QPSK	55290	E-TM1.1	25.44
Band48	10MHz	QPSK	55990	E-TM1.1	25.06
Band48	10MHz	QPSK	56690	E-TM1.1	24.85
Band48	20MHz	256QAM	55340	E-TM3.1A	23.11
Band48	20MHz	256QAM	55990	E-TM3.1A	23.46
Band48	20MHz	256QAM	56640	E-TM3.1A	23.17
Band48	20MHz	QPSK	55340	E-TM1.1	22.51
Band48	20MHz	QPSK	55990	E-TM1.1	22.41
Band48	20MHz	QPSK	56640	E-TM1.1	22.58

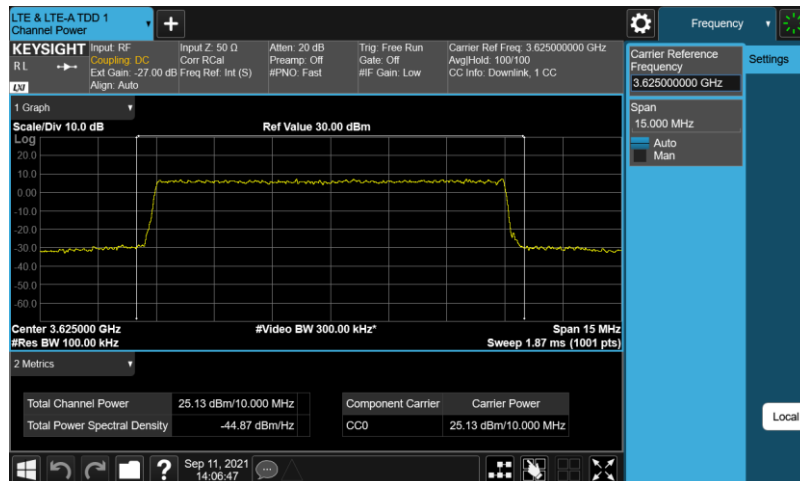
Band	Bandwidth	Modulation	Channel	Mode	Power (dBm/20MHz)
Band48	20MHz	256QAM	55340	E-TM3.1A	25.35
Band48	20MHz	256QAM	55990	E-TM3.1A	25.82
Band48	20MHz	256QAM	56640	E-TM3.1A	25.68
Band48	20MHz	QPSK	55340	E-TM1.1	25.07
Band48	20MHz	QPSK	55990	E-TM1.1	25.23
Band48	20MHz	QPSK	56640	E-TM1.1	25.29

Test Graphs

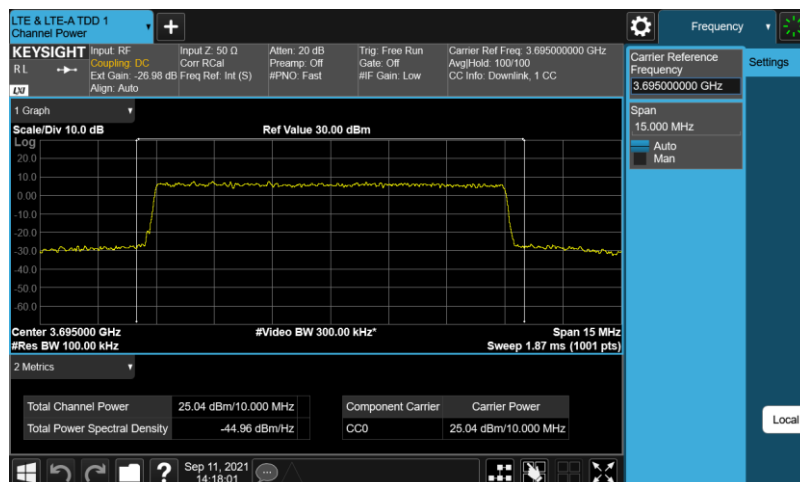
Band48-10MHz-256QAM-55290-E-TM3.1A-10



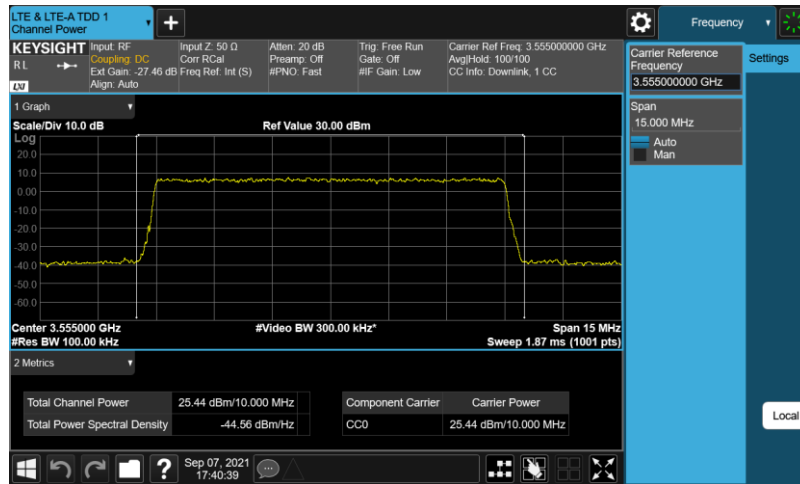
Band48-10MHz-256QAM-55990-E-TM3.1A-10



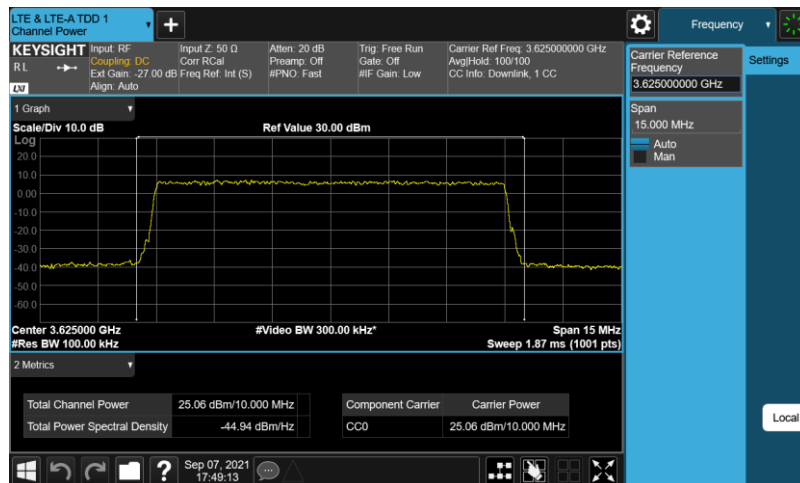
Band48-10MHz-256QAM-56690-E-TM3.1A-10



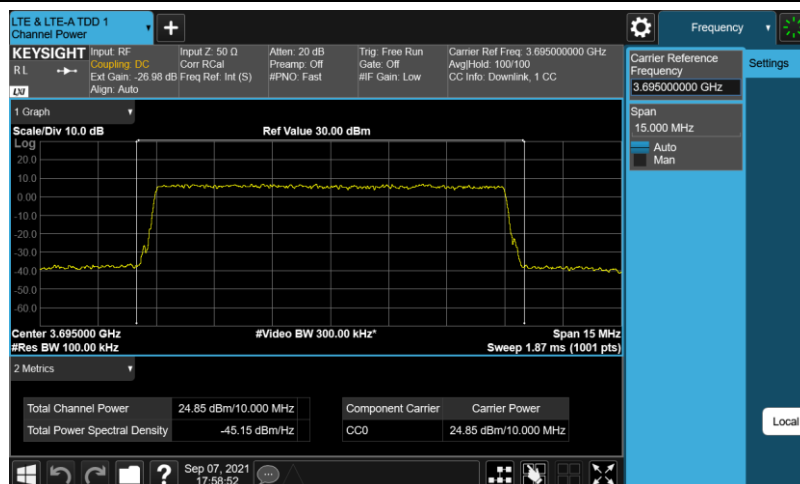
Band48-10MHz-QPSK-55290-E-TM1.1-10



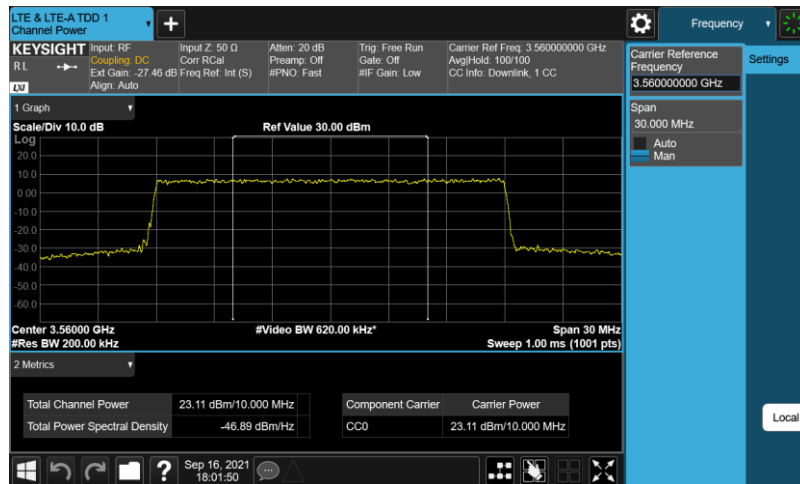
Band48-10MHz-QPSK-55990-E-TM1.1-10



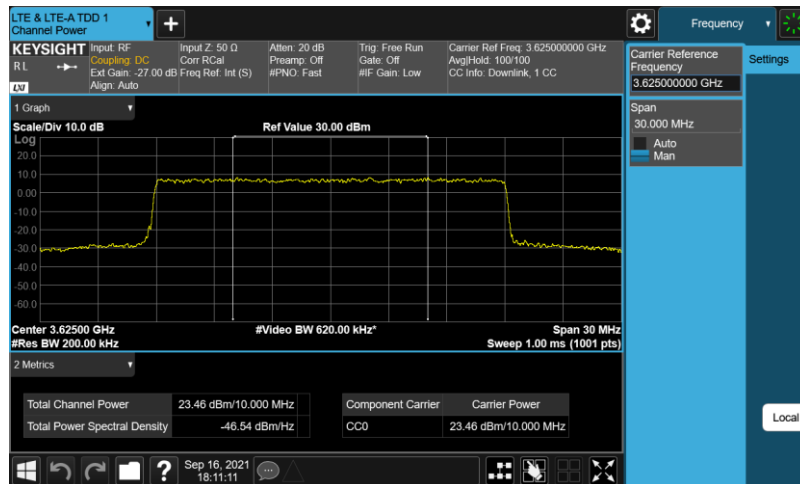
Band48-10MHz-QPSK-56690-E-TM1.1-10



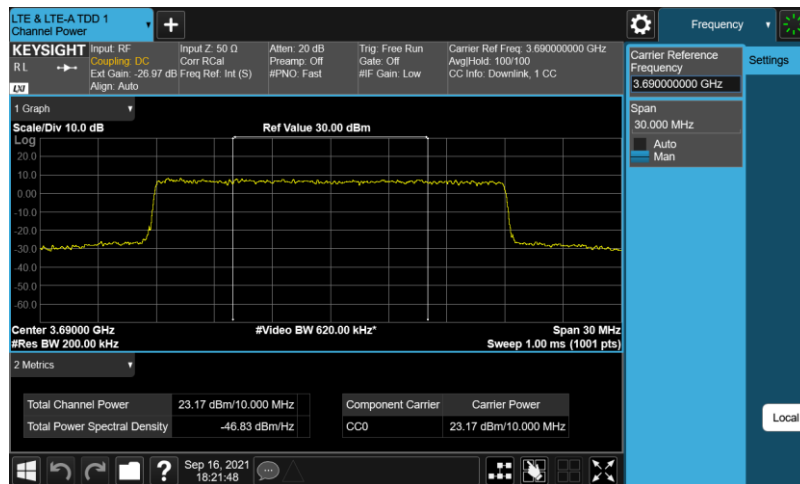
Band48-20MHz-256QAM-55340-E-TM3.1A-10



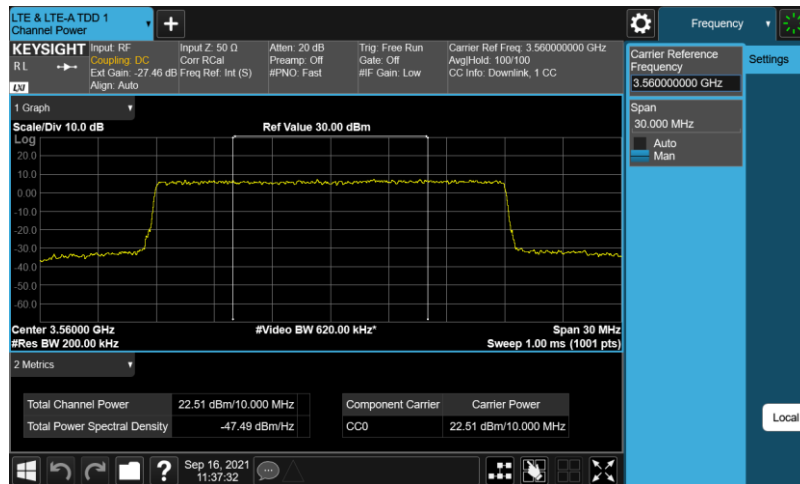
Band48-20MHz-256QAM-55990-E-TM3.1A-10



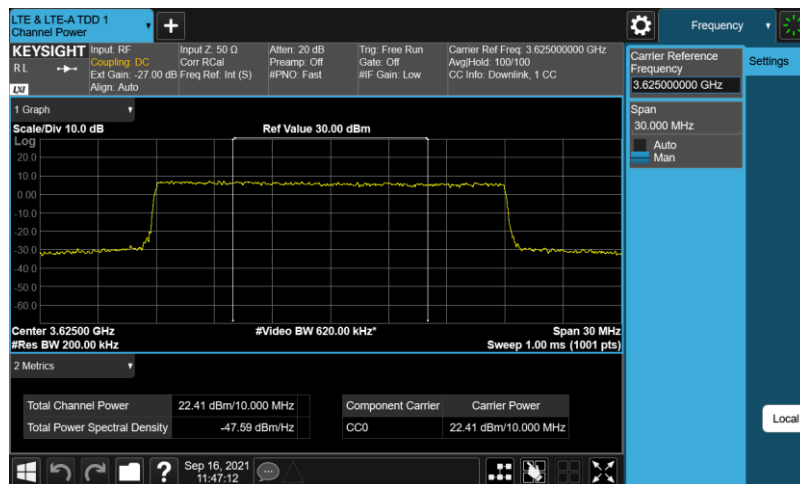
Band48-20MHz-256QAM-56640-E-TM3.1A-10



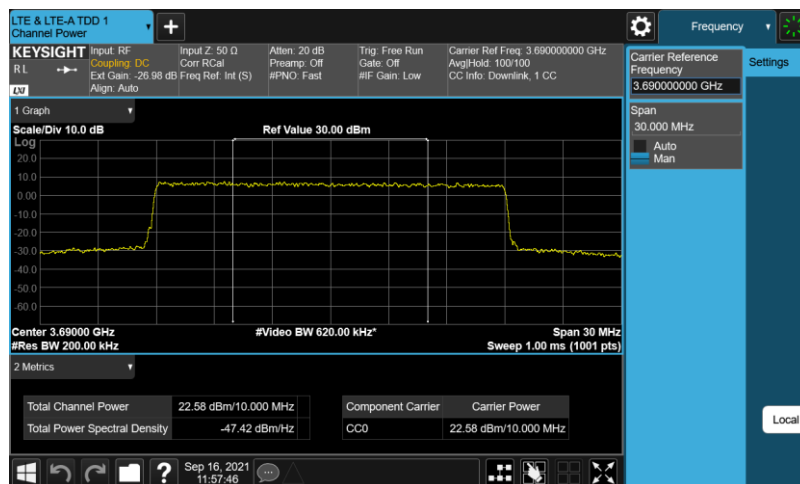
Band48-20MHz-QPSK-55340-E-TM1.1-10



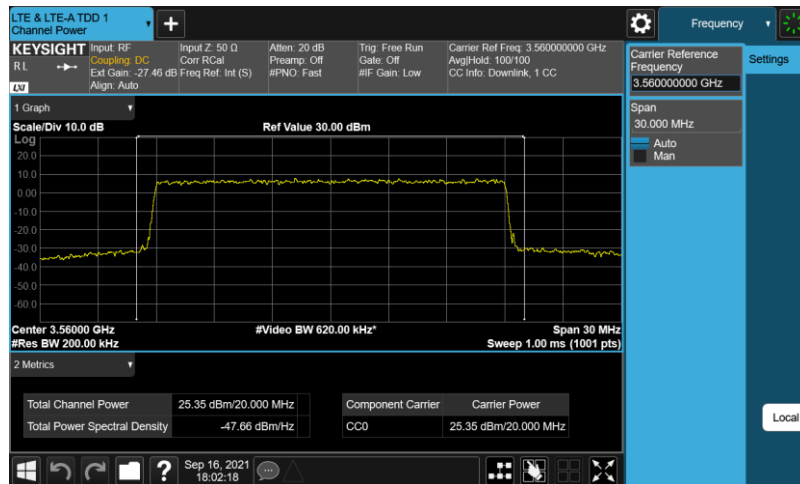
Band48-20MHz-QPSK-55990-E-TM1.1-10



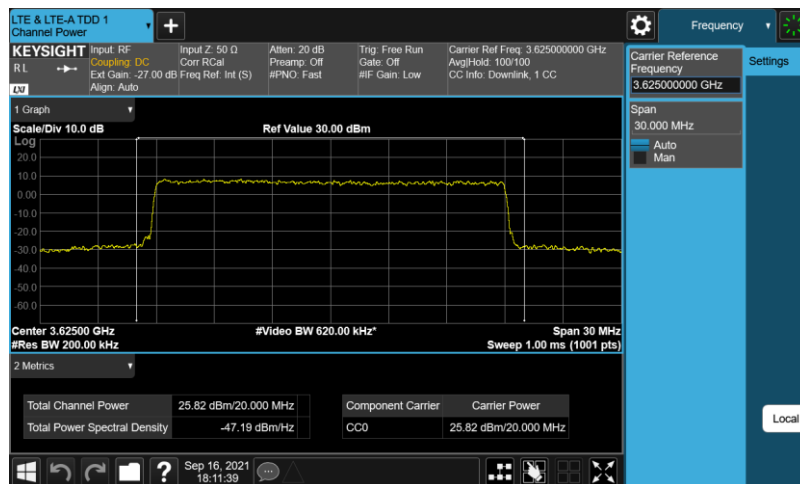
Band48-20MHz-QPSK-56640-E-TM1.1-10



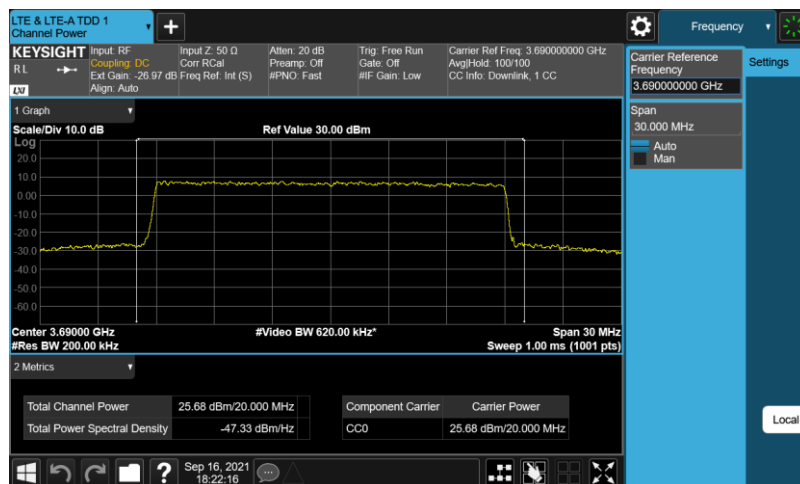
Band48-20MHz-256QAM-55340-E-TM3.1A-20



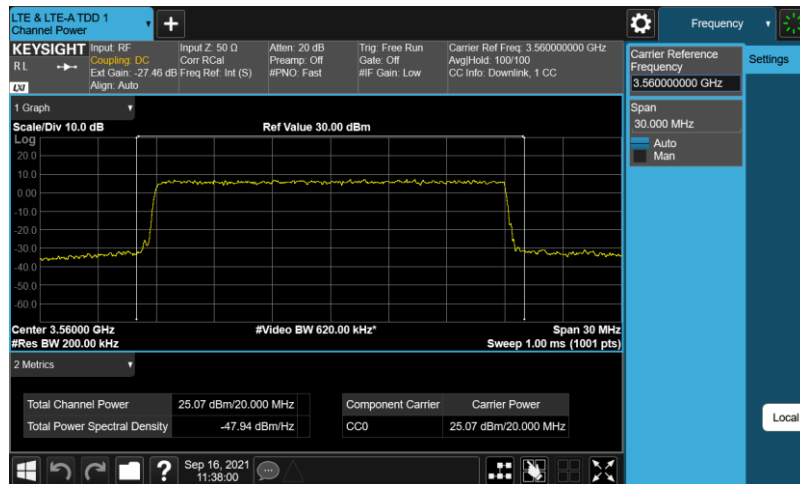
Band48-20MHz-256QAM-55990-E-TM3.1A-20



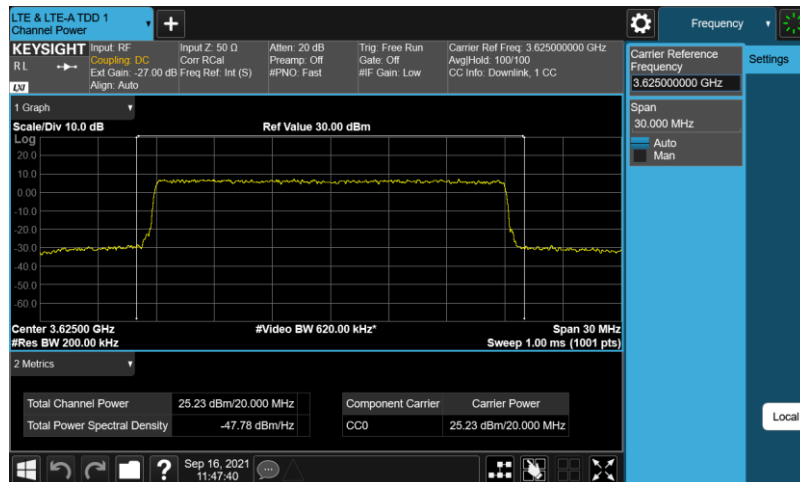
Band48-20MHz-256QAM-56640-E-TM3.1A-20



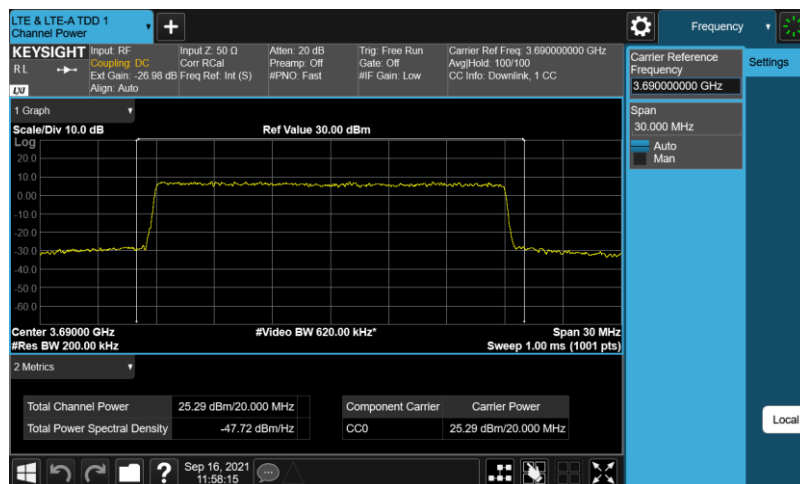
Band48-20MHz-QPSK-55340-E-TM1.1-20



Band48-20MHz-QPSK-55990-E-TM1.1-20



Band48-20MHz-QPSK-56640-E-TM1.1-20



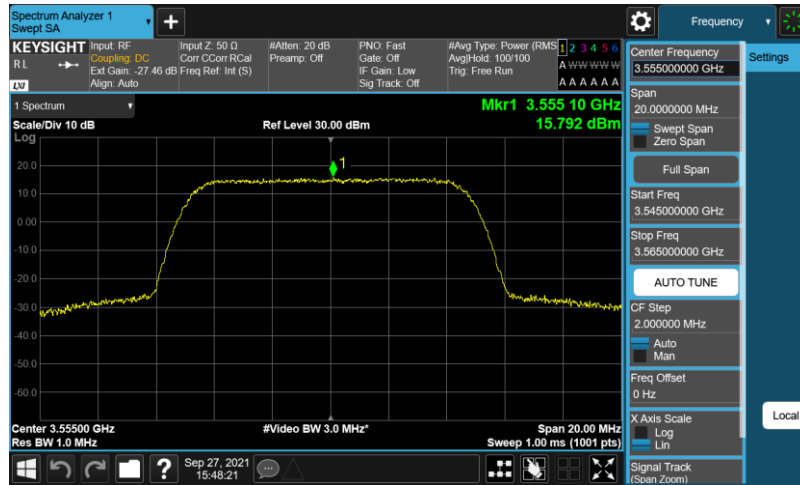
Appendix B: Power Spectral Density

Test Result

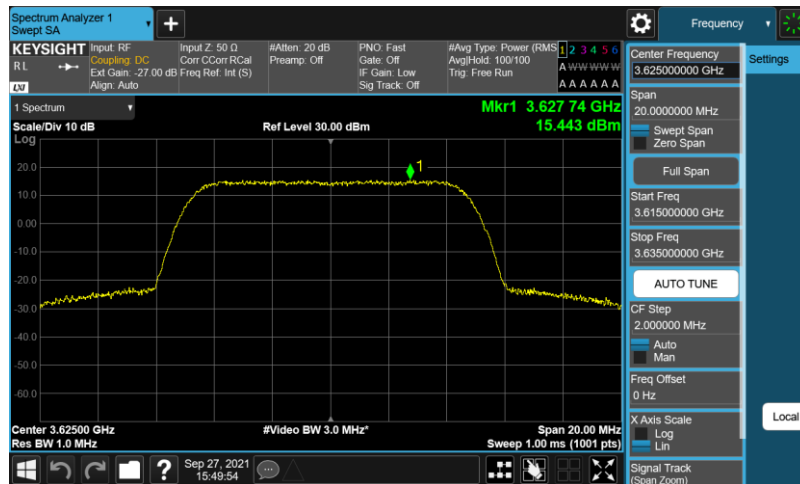
Band	Bandwidth	Modulation	Channel	Mode	PSD (dBm/MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	15.79
Band48	10MHz	256QAM	55990	E-TM3.1A	15.44
Band48	10MHz	256QAM	56690	E-TM3.1A	15.28
Band48	10MHz	QPSK	55290	E-TM1.1	15.99
Band48	10MHz	QPSK	55990	E-TM1.1	15.13
Band48	10MHz	QPSK	56690	E-TM1.1	15.26
Band48	20MHz	256QAM	55340	E-TM3.1A	13.03
Band48	20MHz	256QAM	55990	E-TM3.1A	13.06
Band48	20MHz	256QAM	56640	E-TM3.1A	12.98
Band48	20MHz	QPSK	55340	E-TM1.1	13.08
Band48	20MHz	QPSK	55990	E-TM1.1	12.99
Band48	20MHz	QPSK	56640	E-TM1.1	12.62

Test Graphs

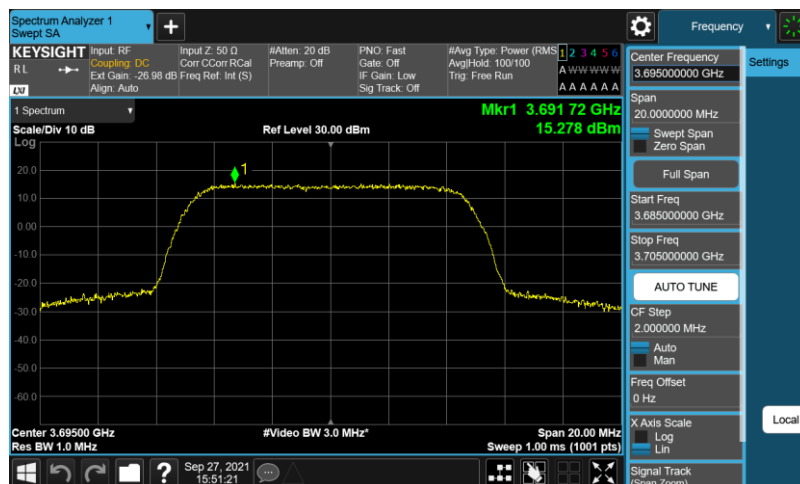
Band48-10MHz-256QAM-55290-E-TM3.1A



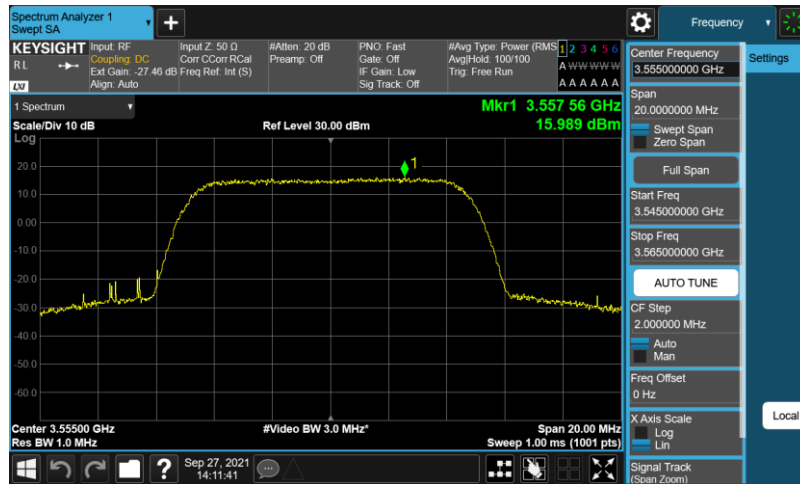
Band48-10MHz-256QAM-55990-E-TM3.1A



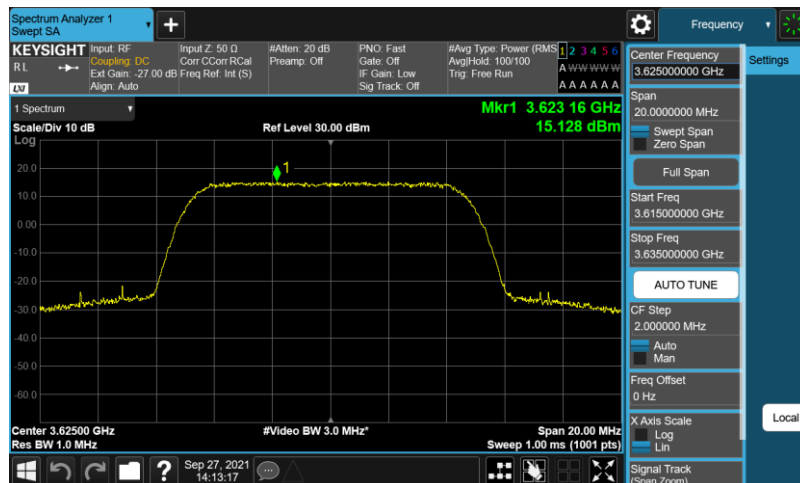
Band48-10MHz-256QAM-56690-E-TM3.1A



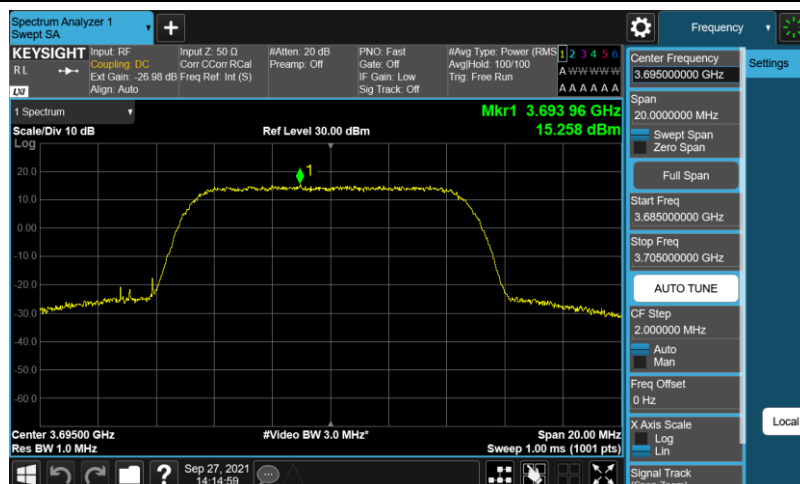
Band48-10MHz-QPSK-55290-E-TM1.1



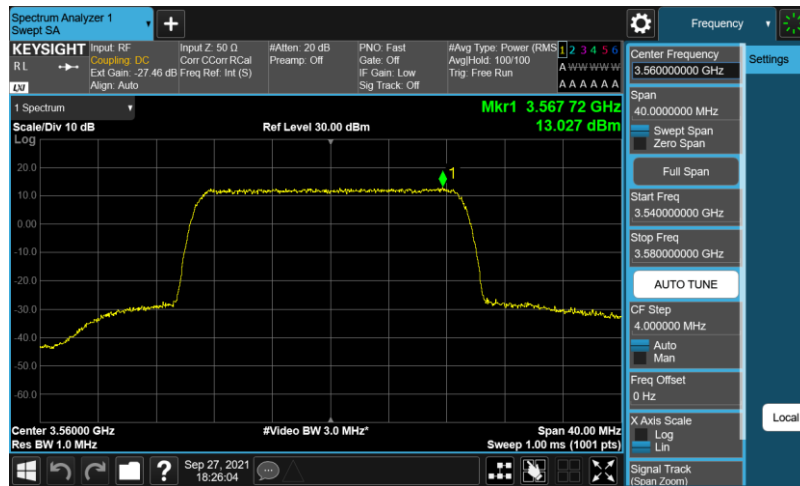
Band48-10MHz-QPSK-55990-E-TM1.1



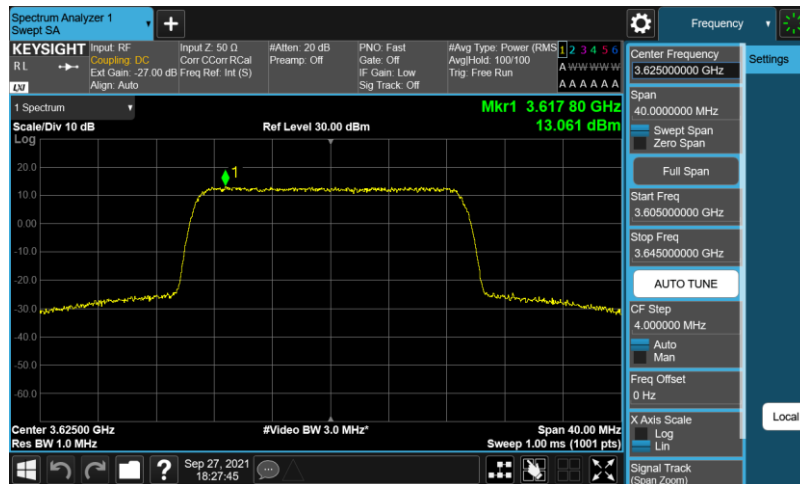
Band48-10MHz-QPSK-56690-E-TM1.1



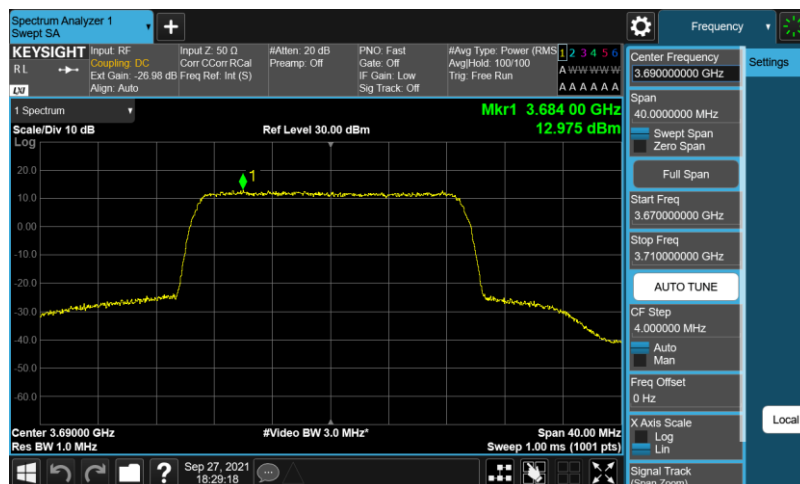
Band48-20MHz-256QAM-55340-E-TM3.1A



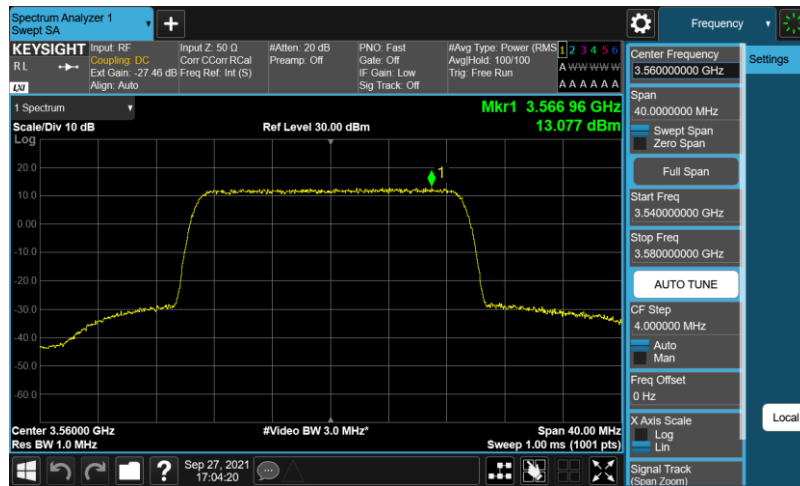
Band48-20MHz-256QAM-55990-E-TM3.1A



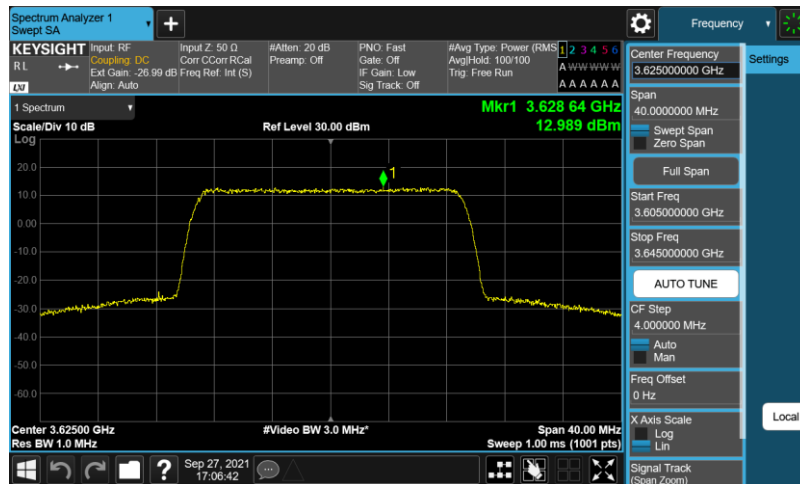
Band48-20MHz-256QAM-56640-E-TM3.1A



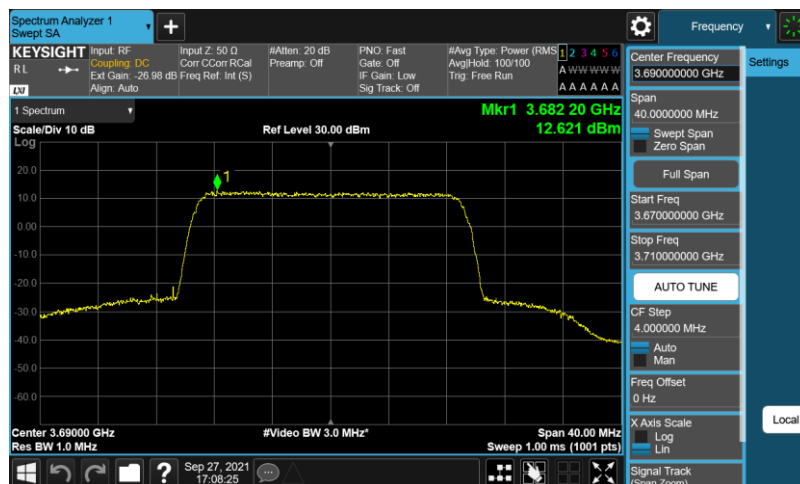
Band48-20MHz-QPSK-55340-E-TM1.1



Band48-20MHz-QPSK-55990-E-TM1.1



Band48-20MHz-QPSK-56640-E-TM1.1



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	Mode	99%(MHz)	EBW(MHz)
Band48	10MHz	256QAM	55290	E-TM3.1A	8.9274	9.318
Band48	10MHz	256QAM	55990	E-TM3.1A	8.9253	9.274
Band48	10MHz	256QAM	56690	E-TM3.1A	8.9415	9.323
Band48	10MHz	QPSK	55290	E-TM1.1	8.9388	9.339
Band48	10MHz	QPSK	55990	E-TM1.1	8.9382	9.358
Band48	10MHz	QPSK	56690	E-TM1.1	8.9512	9.324
Band48	20MHz	256QAM	55340	E-TM3.1A	17.868	18.57
Band48	20MHz	256QAM	55990	E-TM3.1A	17.892	18.58
Band48	20MHz	256QAM	56640	E-TM3.1A	17.877	18.57
Band48	20MHz	QPSK	55340	E-TM1.1	17.874	18.57
Band48	20MHz	QPSK	55990	E-TM1.1	17.864	18.64
Band48	20MHz	QPSK	56640	E-TM1.1	17.855	18.55